

Woodfield Road Extended -- No. 500151

Category **Transportation**
 Agency **Public Works & Transportation**
 Planning Area **Damascus**
 Relocation Impact **None.**

Date Last Modified
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 Required Adequate Public Facility

May 21, 2004
 7-66(04 App)
 NO

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY03	Est. FY04	Total 6 Years	FY05	FY06	FY07	FY08	FY09	FY10	Beyond 6 Years
Planning, Design and Supervision	1,735	533	341	861	182	302	377	0	0	0	0
Land	564	57	150	357	357	0	0	0	0	0	0
Site Improvements and Utilities	937	0	0	937	0	0	937	0	0	0	0
Construction	6,364	0	0	6,364	400	2,700	3,264	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	9,600	590	491	8,519	939	3,002	4,578	0	0	0	0

FUNDING SCHEDULE (\$000)

G.O. Bonds	7,290	560	0	6,730	672	2,820	3,238	0	0	0	0
Contributions	30	30	0	0	0	0	0	0	0	0	0
Impact Tax	2,098	0	491	1,607	267	0	1,340	0	0	0	0
Intergovernmental	182	0	0	182	0	182	0	0	0	0	0

ANNUAL OPERATING BUDGET IMPACT (\$000)

Maintenance				12	0	0	0	4	4	4	0
Energy				6	0	0	0	2	2	2	0
Net Impact				18	0	0	0	6	6	6	0

DESCRIPTION

This project provides a 3,000 foot extension of Woodfield Road from 1,200 feet north of Main Street, (MD 108), to Ridge Road (MD 27). The scope of work includes design, land acquisition, and construction of a 1,450 foot segment of Ridge Road from 450 feet south of the existing Ridge Road/Faith Lane intersection to the Ridge Road/Gue Road intersection. The roadway improvements include: 1) extension of Woodfield Road as a 28-foot wide closed-section roadway with two 14-foot wide traffic lanes; 2) provision of auxiliary left-turn lanes on Woodfield Road Extended at Faith Lane and Ridge Road; 3) realignment of Faith Lane to intersect Woodfield Road at a point 350 feet south of Ridge Road; 4) construction of a separated 8-foot wide bikeway along the eastern side of Woodfield Road Extended from Main Street to Ridge Road; 5) widening Ridge Road to provide two 12-foot wide travel lanes, two 4-foot wide paved shoulders, and an auxiliary left turn lane at the intersection with Woodfield Road; 6) revisions to the Ridge Road vertical alignment to improve the sight distance along a 600 foot segment of the roadway to north of Woodfield Road Extended; and 7) streetlighting and landscaping. Woodfield Road Extended and Ridge Road improvements will be constructed within an 80-foot wide right-of-way.

Service Area

Damascus and vicinity. Woodfield Road Extended is designated an arterial road in the Damascus Master Plan.

Capacity

The design year 2020 projected average daily traffic (ADT) volume is 20,000 vehicles.

JUSTIFICATION

This project is needed to alleviate traffic congestion and improve safety and sight distance in the Damascus business area. Traffic forecasts and analysis show that five intersections in the town will begin to fail shortly after the year 2010 without the construction of Woodfield Road Extended. The construction of Woodfield Road will reduce the projected traffic volume in year 2020 along Ridge Road between Woodfield Road and High Corner Street from 28,000 to 17,500 vehicles per day, and on Ridge Road between High Corner Street and Main Street traffic volume will be lowered from 19,100 to 5,400 vehicles per day.

Plans and Studies

A review of impacts to pedestrians, bicycles and ADA requirements (Americans With Disabilities Act of 1991) is performed and addressed by this project. Traffic signals, streetlights, crosswalks, bus stops, ADA ramps, bikeways, and other pertinent issues have been considered in the design of the project to ensure pedestrian safety.

Cost Change

Increase due to higher unit prices.

STATUS

Final design stage.

OTHER

The southern limit for the separated bikeway along the eastern side of Woodfield Road has been extended from the current terminus of the road to Main Street. The Intergovernmental and contribution revenue represents WSSC's share of utility relocation costs and the developer's share of the project costs, respectively. The northern limit for the MD 27 improvements has been revised from 1,100 north of Gue Road to 600 foot north of the Woodfield Road Extended intersection.

APPROPRIATION AND EXPENDITURE DATA

Date First Appropriation	FY01	(\$000)
Initial Cost Estimate		8,200
First Cost Estimate		
Current Scope	FY05	9,600
Last FY's Cost Estimate		8,770
Present Cost Estimate		9,600
Appropriation Request	FY05	830
Appropriation Request Est.	FY06	0
Supplemental Appropriation Request	FY04	0
Transfer		0
Cumulative Appropriation		8,770
Expenditures/Encumbrances		736
Unencumbered Balance		8,034
Partial Closeout Thru	FY02	0
New Partial Closeout	FY03	0
Total Partial Closeout		0

COORDINATION

Damascus Park and Ride Lot
 Facility Planning: Transportation
 Utilities
 Maryland Department of the Environment
 Maryland State Highway Administration
 Maryland-National Capital Park and Planning Commission
 Maryland Historical Trust

MAP

See Map on Next Page



WOODFIELD ROAD EXTENDED